CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LAHONTAN REGION

MONITORING AND REPORTING PROGRAM NO. R6T-2004-0025
NPDES NO. CA G916001

FOR

UPDATED WASTE DISCHARGE REQUIREMENTS AND NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
PERMIT FOR SURFACE WATER DISPOSAL OF TREATED GROUND WATER

Lahontan Region

I. MONITORING

The following Influent, Effluent, and Receiving Water Monitoring schedules detail sampling frequency. Constituents to be sampled will be listed in the Notice of Applicability (NOA). Under certain adverse conditions, more frequent sampling is required if it is appropriate. An adverse condition is defined as any problem which does or could affect treatment facility compliance or efficiency. If at any time the system is shut down for a continuous time period greater than 60 days, the influent, effluent, and receiving water monitoring programs and toxicity testing must be reinitiated unless otherwise specifically approved by the Executive Officer.

A. Treatment Facility Startup Monitoring

Prior to disposal of any treatment effluent, the Discharger shall conduct startup monitoring to confirm that the treatment unit will produce effluent that complies with standards prescribed in the National Pollutant Discharge Elimination System (NPDES) Permit. During startup monitoring, the Discharger shall direct the treatment unit discharge to a temporary, impervious storage container. Startup monitoring shall be conducted until two consistent, consecutive sample results indicate that the treatment system effluent has stabilized and is in compliance with the Permit. Samples shall be collected a minimum of twelve and a maximum of 72 hours apart. Only treatment unit effluent is required to be analyzed during startup monitoring. Any treatment unit discharge that does not meet discharge specifications for effluent shall not be discharged to surface waters.

B. Flow Monitoring

The following information shall be recorded in a permanent log book:

1. The total volume, in gallons, of wastewater flow to the treatment facility for each day.

2. The total volume, in gallons, of wastewater flow to the treatment facility each month.

3. The average flow rate, in gallons per day, of wastewater flow to the treatment facility for each month.

4. The total volume of wastewater discharged from the treatment facility each month.

C. Treatment Facility Influent Monitoring

The purpose of the required influent monitoring is to verify the efficiency of the treatment system. Influent samples shall be collected after the last connection and before the wastes enter the treatment system. Influent samples should be representative of the volume and nature of the influent. Time of collection for grab samples must be discretely recorded. Specific constituents to be monitored shall be named in the NOA.

The minimum sampling frequency shall be as follows:

1. During the first two months of treatment unit operation, influent samples shall be collected on the 1st, 4th, 14th, 28th, and 56th days of operation.

2. During the third to sixth month, influent sampling shall be conducted every 30 days.

3. Thereafter, influent sampling shall be conducted every 90 days.

Sampling shall be conducted at a minimum according to the above schedule, and frequently enough to ensure that the effluent is in compliance with the discharge specifications of the permit. Site specific conditions, such as monitoring for potential breakthrough of the treatment system, may require more frequent monitoring.

D. Treatment Facility Effluent Monitoring

Effluent samples shall be collected immediately downstream of the last connection through which wastes can be admitted into the outfall. Effluent samples should be representative of the volume and nature of the discharge. Time of collection of grab samples shall be discretely recorded. The required sampling frequency shall be the same as that for the influent monitoring program as described above.

1. The Discharger shall perform toxicity testing, as described below, on the undiluted effluent. The effluent sample shall be collected immediately after discharge from the treatment unit, but prior to the wastewater reaching the receiving water. The tests shall be performed upon startup of the treatment facility and may also be required annually thereafter depending on the results of the initial toxicity testing.

2. Subsequent rounds of annual sampling shall be performed within 365 days of the startup date, and the results submitted to the California Regional Water Quality Control Board Lahontan Region (Regional Board) within 30 days thereafter. The results of the subsequent four annual tests, if required, shall be submitted to the Regional Board within 30 days of each annual sampling event. The species to be used in the toxicity analysis and procedures are described below.

3. All tests shall be conducted on grab samples of undiluted treatment facility effluent. Analysis of Variance (ANOVA) shall be used to determine whether differences between control and effluent data are significant.

E. Receiving Water Monitoring

All receiving water samples shall be grab samples. Receiving water samples shall be collected in the same frequency as detailed in the influent monitoring program above. Receiving water samples shall be obtained from the following:

Station	*Description*
R-1	Upstream from the discharge point at a location specified in the NOA
R-2	No greater than 100 feet down stream of the discharge point at a location specified in the NOA

In conducting any receiving water sampling in accordance with the required sampling frequency, a log shall be kept of the receiving water conditions throughout the reach bounded by Stations R-1, R-2, and R-3. Attention shall be given to the presence or absence of:

a. floating or suspended matters
b. discoloration
c. bottom deposits
d. aquatic life
e. erosion and/or sediment deposition

Notes on receiving water conditions shall be maintained in a permanent logbook and summarized in the monitoring report.

II. REPORTING

A. General Provisions

The Discharger shall comply with the "General Provisions for Monitoring and Reporting," (Attachment I) which is made part of this Monitoring and Reporting Program.

B. Submittal Periods

Quarterly reports shall be submitted to the Regional Board by the fifteenth (15th) day of January, April, July, and October of each year.

In reporting the monitoring data, the Discharger shall arrange the data in tabular form so that the date of sample collection, the constituents, and the concentrations detected are readily discernible. Additionally, the data shall be narratively summarized in such a manner as to illustrate clearly to status of compliance with the Permit.

Upon written request, the Discharger shall submit an annual report to the Regional Board by **January 30th** of the following year. The report shall contain tabular, graphic, and narrative descriptions of the monitoring data obtained during the previous year. Additionally, the report shall clearly document the status of compliance with the Permit. If any corrective actions were necessary during the year to maintain or retain compliance, this annual report shall discuss these actions in detail.

The Discharger shall implement the above monitoring program immediately upon the commencement of the initial Discharger covered by this general Permit.

Ordered by: Harold J. Singer Date: June 9, 2004

HAROLD J. SINGER
EXECUTIVE OFFICER

BTW/cgT: NPDES.GenPermit,MRP.Update.2004